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CENTRAL INTELLIGENCE AGENCY

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WORK BEGINS ON STEEL MILL AT GUSTANJ

NEW MILL TO BE LARGEST IN BALKANS -- Borba, No 211, 5 Sep 49

Work has begun at Gustanj on the construction of a large new steel mill which will be one of the largest in the Balkans. The old ironworks with its outdated equipment will be replaced by a modern foundry for casting all kinds of steel and processing alloy steels. The new factory will be completed by the end of the Five-Year Plan.

This year a new power plant, a heavy forging shop, and half of the foundry building will be completed. Several blocks of apartments will be built by fall.

Special furnaces for casting steel will make the production of all kinds of steel alloys possible. Ball bearings and other products that had to be imported in the past will be made at GUSTANJ. By the end of the Five-Year Plan, 50 times more steel castings than in 1946 and 30 times more than before the war will be produced there.

The old forging shop has already been razed, and the steel girders for the new one are being erected. Steam hammers for the forging shop have already been installed. Steam hammers developing 300 kilograms to 5 tons of pressure have been or will be installed in the shop. Such machinery as 400-ton presses, pneumatic hammers, 600-ton forging machines, and 1,000-ton steam-hydraulic presses for processing steel blocks weighing up to 10 tons will be installed.

A large, new rolling mill will be built by the end of the Five-Year Plan. The present rolling mill will be transferred to a new building and its site occupied by half of the forging shop. The new forging shop will produce five times more than the old.

Two modern steam boilers have already been installed in the new power plant, and five generators are in process of installation. Generator gas, steam, and compressed air will be supplied to the factory this year. All processes will be mechanized. The generators will be fed coal from special bunkers filled by means of a crane.

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Tracks for traveling cranes are being installed in the cleaning area. In special water chambers, water at high pressure will strike the moving ingots. The sand that falls off the ingots will be used again in the molds. This method will increase the capacity of the cleaning area 50 times, and is much cheaper than the old method. A part that once took one worker 4 days to clean can now be done by one worker in half an hour.

The new steel mill, half of which will be finished this year, will be built of steel construction, and will have large windows of wire glass. Twenty-five-ton cranes will transport and pour the molten steel. Both Martin furnaces and high-frequency electric furnaces will be available. All processes will be mechanized. The new steel mill will produce 50 percent more raw steel than its predecessor. One ton of steel can be produced in half the time formerly required.

Next year a transformer station, workshops, and garages will be built at Gutanj. By the end of the Five-Year Plan, a modern laboratory will be completed. Special shops for processing steel and making finished products are planned.

"LITOSTROJ" UNDERGOING EXPANSION -- Borba, No 310, 4 Sep 49

Three years after its construction began, the "Titovi Zavodi Litostroj" (Tito's Litostroj Plants) enterprise consists of six large plants: the foundry for iron casting, the bronze foundry, the die shop, the cleaning shop, and the machine shop, plus the steel foundry which is to begin operation early in 1950. A forging shop and a boiler shop are now under construction.

Without any help from abroad, "Litostroj" is building Pelton, Francis, and Kaplan water turbines for Yugoslav hydroelectric power plants. The first turbine of Yugoslav construction was installed recently at the Vlasenica hydroelectric power plant in Bosnia. Turbines for the hydroelectric power plants at Zrnovci and on the Musovica River and Francis turbines for the power plants at Mesice and Rijeka Crnojevica are now under construction at "Litostroj." The Pelton turbines for the Zrnovci and Musovica River plants are finished, and the first two Kaplans will be ready by January 1950.

This month two large pumps for draining flooded land and irrigating rice fields will be finished. Each will pump 2 cubic meters of water per second.

Heavy cranes, so-called "macks" (cats), with a capacity of 60 tons, are being built at "Litostroj." Three large 60-ton cranes for the "Rado Koncar" factory in Zagreb are now under construction.

The first 15-ton boiler for the Soda Factory in Dubavac was made at "Litostroj" of a special acid-resistant alloy. Plans for a second boiler for the same factory, to be made of special materials capable of withstanding high temperatures, have been drawn up. A large cylinder for the furnace of the Cinkarna (Zinc Smelter) in Celje has also been developed at "Litostroj."

BOILER FACTORY ALMOST SELF-SUFFICIENT -- Tjednik, No 13130, 31 Aug 49

The first boilers made by the steam boiler factory in Zagreb were stationary boilers for sawmills and the leather and food-processing industries. Last year six powerful locomotive boilers were made there exclusively by Yugoslav facilities. Locomotive boilers weighing about 30 tons, for power plants and industrial enterprises, are now being made at the factory, and still larger and more powerful ones for steam power plants will be undertaken soon.

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When Czechoslovakia failed to deliver essential parts ordered there, the steam boiler factory itself began to make the parts. However, the sheet metal shipped from Czechoslovakia and Hungary could not be used, so metal from the Ironworks at Jesenice was substituted, with completely satisfactory results. Now over 90 percent of the materials used in the steam-boiler factory are products of Yugoslav industry.

The factory is constantly expanding. New shops around the factory will soon be roofed. A new building for the repair of industrial and locomotive boilers will be built, so that the present building will be used only for the manufacture of new boilers. An area with cranes, a new forging shop, a warehouse, an administration building, and a pumping station will be built beside the main building.

The large housing development now under construction will contain 500 apartments, a workers' restaurant, a cultural headquarters, and a sports field. This year workers will move into 127 apartments.

YUGOSLAV INDUSTRY ADDS NEW PRODUCTS -- Tehnika Koroča, No 33, 17 Aug 49

Traveling cranes are being built in the iron construction plant at Slavonski Brod.

Automobile tires are produced at the "Save" factory in Kranj.

The railroad-car factory at Rankovicevo has built the first Yugoslav refrigerator car for fresh fish.

The "Sutjeska" factory is making medical instruments of original Yugoslav design never before made in Yugoslavia. A universal operating table will soon be put into serial production there.

The "Djuro Djakovic" factory has built a steam roller for road surfacing, the first to be made in Yugoslavia of Yugoslav materials.

A new type of blade for working wood has been invented at the "Polet" carpenters' cooperative in Piroć.

LARGER FURNACE INSTALLED AT IRONWORKS -- Borba, No 205, 20 Aug 49

A new Martin open-hearth furnace was put into operation in the Ironworks at Smederevo on 20 August. The new furnace has a capacity 20 percent greater than that of the old one. The door of the furnace is water-cooled and is raised automatically, while the old one is opened by hand.

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